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BDP7500



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Important

Safety and important notice



- · Risk of overheating! Never install the product in a confined space. Always leave a space of at least 4 inches around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.
- Never place the product, remote control or batteries near naked flames or other heat sources, including direct
- Only use this product indoors. Keep this product away from water, moisture and liquid-filled objects.
- Never place this product on other electrical equipment.
- Keep away from this product during lightning storms.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste.

Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.



Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Copyright notice

This product incorporates copyright protection technology



that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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Official DivX® Ultra Certified product. Plays all versions of DivX ® video (including DivX ® 6) with enhanced playback of DivX® media files

and the DivX® Media Format.

Plays DivX® video with menus, subtitles and audio tracks.

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BONUSVIEWTM

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2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Feature highlights

Philips EasyLink

Your product supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.



Note

 Philips does not guarantee 100% interoperability with all HDMI CEC devices.

High-Definition entertainment

Watch high-definition content disc with HDTV (High Definition Television). Connect it through a high speed HDMI cable (1.3 or category 2). You can enjoy excellent picture quality up to 1080p resolution with the frame rate of 24 frames per second with progressive scan output.

High fidelity 7.1 channel surround sound

This product supports the high-definition audio such as Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio.

BONUSVIEW/PIP (Picture-in-Picture)

This is a new function of BD-Video that plays the primary video and secondary video simultaneously. Blu-ray players with Final Standard Profile or Profile 1.1 specs can play Bonus View features.

BD-Live

Connect this product to the movie studios website via the LAN port to access a variety of up-to-date content (e.g. refreshed previews and exclusive special features). You can also enjoy next generation possibilities, such as ringtone/wallpaper downloads, peer-to-peer interactions, live events and gaming activities.

Upscale DVD for enhanced picture quality

Watch the discs in the highest picture quality available for the HDTV. Video upscaling increases the resolution of standard definition disc to high definition up to 1080p over an HDMI connection. A highly detailed picture and increased sharpness delivers a more true-to-life picture.

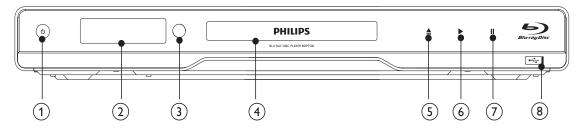
Region codes

You can play discs with the following region codes.

Region code		Country
DVD	BD	
3		Asia Pacific, Taiwan, Korea

Product overview

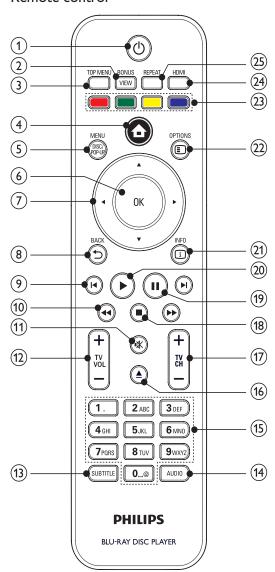
Main unit



- (1) C
 - Turn on this product or switch to standby mode.
 - When EasyLink is enabled, press and hold for at least three seconds to turn all connected HDMI CEC compliant devices to standby.
- (2) Display panel
- (3) IR sensor
 - Detect signals from the remote control.
 Point the remote control at the IR sensor.
- 4 Disc compartment
- (5) ▲
 - Open or close the disc compartment.
- (6) ▶
 - Start or resume play.
- (7) II
 - Pause play.
- 8 jack with a sliding door
 - Slide the door open to connect a USB flash drive.

Front panel display	Description
LOADING	Loading a disc.
UNSUPP	The disc is not supported.
BD	Blu-ray disc is recognized.
HDMI ERR	The HDMI video resolution is not supported by TV.
FASTFWD	Fast forward mode.
FASTBWD	Fast reverse mode.
SLOWFWD	Slow forward mode.
SETTINGS	Setup menu is displayed.
HOME	Home menu is displayed.
CHAPTER	Current chapter is in chapter repeat mode.
DOLBY D	Dolby Digital audio is being played.
DOLBY HD	Dolby HD audio is being played.
UPGRADE	Software upgrade is in progress.

Remote control



- (1) _(b)
 - Turn on this product or switch to standby mode.
 - When EasyLink is enabled, press and hold for at least three seconds to turn all connected HDMI CEC compliant devices to standby.

(2) BONUSVIEW

 Turn on or off the secondary video in a small screen window during play (applicable only to a Blu-ray disc that supports the BONUSVIEW or Picture-In-Picture feature).

- (3) TOP MENU
 - BD: Display the top menu.
 - **DVD**: Display the title menu.
- (4)
 - Access the home menu.
- (5) DISC MENU / POP-UP MENU
 - **BD**: Access or exit the pop-up menu.
 - **DVD**: Access or exit the disc menu.
- (6) OK
 - Confirm an entry or selection.
- (7) **▲▼∢**▶
 - Navigate through the menus.
- (8) → BACK
 - Return to a previous display menu.
- (9) | ◀ / ▶ |
 - Skip to the previous or next title, chapter, or track.
- (10) ◀◀ / ▶▶
 - Search backward or forward.
- (11) 🕸
 - Mute volume (applicable only to certain Philips brand TVs).
- (12) TV VOL +/-
 - Adjust volume (applicable only to certain Philips brand TVs).
- (13) SUBTITLE
 - Select a subtitle language on a disc.
- (14) AUDIO
 - Select an audio language or channel on a disc.
- (15) Alphanumeric buttons
 - Select an item to play.
- (16) ▲
 - Open or close the disc compartment.
- (17) TV CH +/-
 - Select a TV channel (applicable only to certain Philips brand TVs).
- (18)
 - Stop play.
- (19) II
 - Pause play.
 - Move the paused picture one step forward.
- (20)
 - Start or resume play.

(21) [] INFO

Display the current status or the disc information.

(22) OPTIONS

Access options for the current activity or selection.

(23) Color buttons

BD: Select tasks or options.

(24) HDMI

Select the video resolution of HDMI output.

(25) REPEAT

Select repeat play or random play.

3 Connect

Make the following connections to use this product.

Basic connections:

- Video
- Audio
- Power

Optional connections:

- Route audio to other devices
 - Multi-channel receiver
 - Digital amplifier/receiver
 - Analog stereo system
- USB device
- LAN (network)



- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all devices are disconnected from the power outlet.
- Different types of connectors can be used to connect
 this product, depending on availability and your needs. A
 comprehensive interactive guide to help you connect your
 product is available at www.connectivityguide.philips.com.

Connect video/audio cables

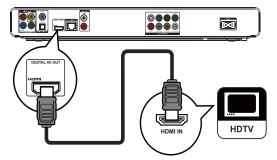
Connect this product to TV to view disc play. Select the best video connection that the TV can support.

- Option 1: Connect to the HDMI jack (for a HDMI, DVI or HDCP-compliant TV).
- Option 2: Connect to the component video jacks (for a standard TV or Progressive Scan TV).
- Option 3: Connect to the composite video jack (for a standard TV).



· You must connect this product directly to a TV.

Option 1: Connect to the HDMI jack

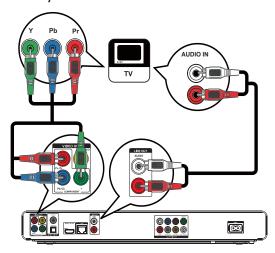


- 1 Connect the supplied HDMI cable to:
 - the **HDMI** jack on this product.
 - the HDMI input jack on the TV.



- If the TV has a DVI connector only, connect via an HDMI/ DVI adaptor. Connect an audio cable for sound output.
- You can optimize the video output. Press the HDMI button repeatedly to select the best resolution the TV can support.
- Philips recommends HDMI category 2 cable, also known as High Speed HDMI cable, for optimal video and audio output.
- To play the digital video images of a BD-video or DVD-video via an HDMI connection, it is necessary that both this product and the display device (or an AV receiver/amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system).
- This type of connection provides best picture quality.

Option 2: Connect to the component video jack

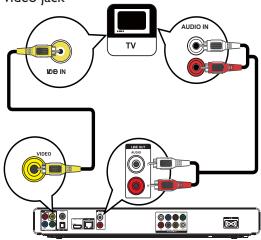


- 1 Connect the component video cables (not supplied) to:
 - the Y Pb/Cb Pr/Cr jacks on this product.
 - the COMPONENT VIDEO input jacks on the TV.
- 2 Connect the audio cables to:
 - the AUDIO L/R-LINE OUT jacks on this product.
 - the AUDIO input jacks on the TV.

* Tip

- The component video input jack on the TV might be labeled as Y Pb Pr or YUV.
- This type of connection provides good picture quality.

Option 3: Connect to the composite video jack



- 1 Connect a composite video cable to:
 - the **VIDEO** jack on this product.
 - the VIDEO input jack on the TV.
- 2 Connect the audio cables to:
 - the AUDIO L/R-LINE OUT jacks on this product.
 - the AUDIO input jacks on the TV.

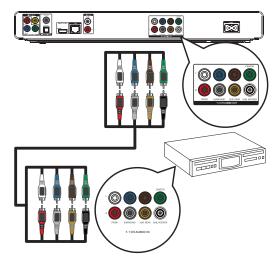


- The video input jack on the TV might be labeled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
- This type of connection provides standard picture quality.

Route audio to other devices

To enhance audio play, you can route the audio from this product to other devices.

Connect to multi-channel receiver



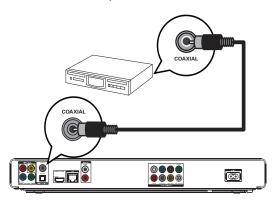
- 1 Connect the 7.1-channel audio cables (not supplied) to:
 - the **7.1 CH AUDIO OUT** jacks on this product.
 - the corresponding AUDIO input jacks on the device.



You can optimize the speaker output (see "Adjust settings"
 [Audio Setup] > [Speaker Setup]).

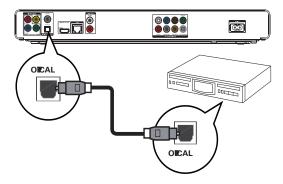
Connect to digital amplifier/receiver

Connect to coaxial jack



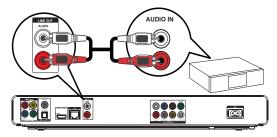
- Connect a coaxial cable (not supplied) to:
 - the COAXIAL jack on this product.
 - the COAXIAL/DIGITAL input jack on the device.

Connect to optical jack



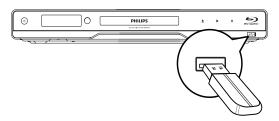
- 1 Connect an optical cable (not supplied) to:
 - the **OPTICAL** jack on this product.
 - the OPTICAL/DIGITAL input jack on the device.

Connect analogue stereo system



- 1 Connect the audio cables to:
 - the AUDIO L/R-LINE OUT jacks on this product.
 - the AUDIO input jacks on the device.

Connect USB device



Connect a USB device to the (USB) jack on this product.

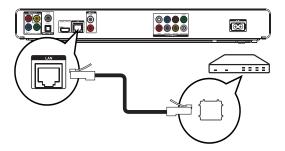


Note

- This product can only play/view MP3, WMA/WMV9, DivX (Ultra) or JPEG files that are stored on such devices.
- Press **a**, select **[USB]** in the menu to access the content and play the files.
- Connect a USB device only to the * jack on this product.
- Philips does not guarantee 100% compatibility with all USB devices.

Connect network

Connect this product to the network to enjoy software updates and BD-Live bonus content.



- Connect the network cable (not supplied) to:
 - the LAN jack on this product.
 - the LAN jack on the broadband modem or router.



 Internet access to Philips website for software update may not be allowed, depending on the router you use or the Internet Service Provider's policy. Contact your Internet Service Provider for more information.

Connect power

Caution

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back of the unit.
- Before connecting the AC power cord, ensure you have completed all other connections.

Note

- The type plate is located on the back of the product.
- You may experience tingling feel upon touching the metal case of this product. This tingling feel is common for products with aluminum finishing. It does not cause any harm as consumer safety is not compromised.
- 1 Connect the AC power cable to:
 - this product.
 - the wall socket.
 - → This product is ready to be set up for use.

4 Get started

Caution

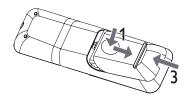
 Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Always follow the instructions in this chapter in sequence.

Prepare the remote control

Caution

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
- 1 Press and push the battery compartment to slide it open (see "1" in the illustration).
- 2 Insert two AAA batteries with correct polarity (+/-) as indicated.
- 3 Push and slide back the battery compartment (see "3" in the illustration).





- If you are not going to use the remote control for a long time, remove the batteries.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.

Find the correct viewing channel

- 1 Press O to turn on this product.
- Turn on the TV and switch to the correct video-in channel. (Refer to the TV user manual on how to select the correct channel.)

Use the Home menu



- 1 Press **♠**.
 - To start disc play, select [Play Disc].
 - To view the USB contents, select [USB].
 - To access the setup menus, select [Settings].

Navigate the menu

1 When a menu is displayed, press the buttons on the remote control to navigate.

Button	Action	
A ▼	Move up or down.	
*	Move left or right.	
ОК	Confirm a selection.	
	Enter numbers.	
1. 2.00 30F 4.00 5.00 6.000 7ross 81W 9002		

Select menu display language



- If this product is connected to a HDMI CEC compliant TV, skip this setting. It switches automatically to the same OSD menu language as per your TV setting (if the language set on TV is supported by this product).
- 1 In the Home menu, select [Settings] and press OK.
- 2 Select [Preference Setup], then press▶.
- 3 Select [Menu Language], then press ▶.

Video Setup	Menu Language	English
	Parental Control	Français
Audio Setup	Screen Saver	Deutsch
Preference Setup	Change Password	Italiano
	Display Panel	Español
EasyLink Setup	Auto Standby	Neder l ands
	VCD PBC	Svenska
Advanced Setup		Português

- The language options may vary from different regions.
- Press $\blacktriangle \blacktriangledown$ to select a language, then press **OK**.

Setup network

To enjoy software updates of this product and BD-Live bonus contents for certain Blu-ray discs, set up the network connection.



- · Ensure that the network cable is properly connected and the router is switched on.
- 1 Connect this product to the broadband modem or router.
- 2 In the Home menu, select [Settings] and press
- Select [Advanced Setup], then press ▶.
- Select [Network], then press OK.
- Select [Next] in the menu, then press OK.
 - → This product starts to detect if there is a connection to the network.
 - → If the connection test fails, select [Retry] and press OK to re-connect again to the network.

- Once connected, an IP address is obtained automatically.
 - If no IP address is obtained, select [Retry] and press OK to try to obtain the IP address again.
- Select [Finish] in the menu, then press OK to exit.



Note

- This product does not support automatic detection of an Ethernet crossover cable.
- Loading BD-Live content from the internet may take some time, depending on the file size and the speed of the internet connection.

Use Philips EasyLink

This product supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control EasyLink-compliant devices that are connected through HDMI connectors.



To enable the EasyLink feature, you must turn on the HDMI CEC operations on the TV and on other devices connected to TV. Refer to the TVs/devices manual for details.

One-touch play

- Press the STANDBY O button to turn on this product.
 - The TV (if supports one-touch play) automatically turns on and switches to the correct video-in channel.
 - → If a disc is loaded in this product, disc play automatically starts.

One-touch standby

- Press and hold the **STANDBY** button for more than 3 seconds.
 - → All the connected devices (if the device supports one-touch standby) automatically switch to standby.



Philips does not guarantee 100% interoperability with all HDMI CEC devices.

5 Play

Play a disc

Caution

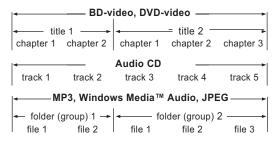
- Do not place any objects other than discs into the disc compartment.
- Do not touch the disc optical lens inside the disc compartment.
- 1 Press ≜ to open the disc compartment.
- 2 Insert a disc with its label facing up.
- 3 Press ≜ to close the disc compartment and start disc play.
 - To view disc play, turn on the TV to the correct viewing channel for this product.
 - To stop disc play, press ■.



- Check the types of discs supported (see "Specifications" > "Play media").
- If the password entry menu is displayed, enter the
 password before you can play the locked or restricted disc
 (see "Adjust settings" > "Preference Setup" > [Parental
 Control]).
- If you pause or stop a disc, the screen saver appears after 10 minutes of inactivity. To deactivate the screen saver, press any button.
- After you pause or stop a disc and no button is pressed within 30 minutes, this product automatically switches to standby.

Disc content structure

The structure of a disc content is generally divided as shown below.



- [title/chapter] (title/chapter) refers to the contents on a BD/DVD.
- [track] (track) refers to the contents on an audio CD.
- [folder/file] (folder/file) refers to the contents on a disc in MP3/WMA/JPEG format.

Play video

Control video play

- **1** Play a title.
- 2 Use the remote control to control the play.

Button	Action
П	Pause play.
>	Start or resume play.
	Stop play.
 	Skip to a previous/next title or chapter.
44/>>	Search fast-backward or fast-forward. Press repeatedly to change the search speed. In pause mode, slow a play backward or forward.



Note

 For BD disc with Java application, the resume function is not available.

Change video play

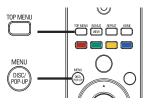
- 1 Play a title.
- 2 Use the remote control to change the play.

Button	Action	
AUDIO	Select an audio language or channel on a disc.	
SUBTITLE	Select the subtitle language on a disc.	
REPEAT	Select or turn off repeat or shuffle mode. Repeat options may vary from the disc type. For VCDs, repeat play is only possible when the PBC mode is turned off.	
Ū INFO	Display the current status or disc information.	
© OPTIONS	Access options relating to the current activity or selection.	
BONUSVIEW	Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature).	



Some operations may not work with some discs. See the information accompanying the disc for details.

Display menu



BD-video disc

- **TOP MENU** stop the video play and shows the disc menu. This feature is disc-dependent.
- POP-UP MENU access to the BD-video disc menu without interrupting disc play.

DVD-video disc

- **TOP MENU** display the root menu of a disc.
- **DISC MENU** display disc information and guide you through the available functions in the disc.

VCD/SVCD/DivX disc:

DISC MENU display the content of the disc.



· If the PBC setting is off, the VCD/SVCD skips the menu and starts play from the first title. To display the menu before play, turn on the PBC setting (see "Adjust settings" > [Preference Setup] > [VCD PBC]).

Select title/chapter

- During play, press **OPTIONS**.
 - The play options menu is displayed.
- 2 Select [Title] or [Chapter] in the menu, then press OK.
- 3 Select the title or chapter number, then press OK.

Skip play to a specific time

- During play, press © OPTIONS.
 - → The play options menu is displayed.
- 2 Select [Time Search] in the menu, then press
- 3 Press the **Navigation buttons** (▲▼) to change the time to skip to, then press **OK**.

Zoom in/out

- During play, press © OPTIONS.
 - → The play options menu is displayed.
- 2 Select [Zoom] in the menu, then press OK.
- 3 Press the Navigation buttons (◀▶)to select a zoom factor, then press OK.
- Press the **Navigation buttons** to pan through the zoomed picture.
 - To cancel zoom mode, press SACK or **OK** to display the zoom factor bar, then press the Navigation buttons (until the zoom factor [x1] is selected.

Repeat play for a specific section

- During play, press **OPTIONS**.
 - → The play options menu is displayed.
- Select [Repeat A-B] in the menu, then press **OK** to set the starting point.
- Forward the video play, then press **OK** to set the ending point.
 - → Repeat play starts.
 - To cancel repeat play mode, press **OPTIONS**, select [Repeat A-B] and press OK.



The marked section for repeat play is only possible within a track/title.

View video play from different camera angles

- During play, press © OPTIONS.
 - → The play options menu is displayed.
- 2 Select [Angle List] in the menu then press ▶.
- 3 Select an angle option, then press **OK**.
 - → Play changes to the selected angle.



Applicable only to discs that contain multi-angle scenes.

Shift subtitle display

This feature is only available if you have set the **[TV**] Display to [Cinema 21:9] (see 'Adjust settings' > 'Video Setup').

- During play, press **OPTIONS**.
 - ☐ The play options menu is displayed.

- 2 Select [Subtitle Language] > [Shift Subtitle] in the menu, then press ▶.
- 3 Press the Navigation buttons (▲ ▼) to shift the subtitle, then press OK.



Tip

- You can press SUBTITLE on the remote control to access Shift Subtitle feature.
- Subtitle Shift is not supported for DivX video with external subtitles.
- Subtitle Shift setting will be not retained after disc is removed.

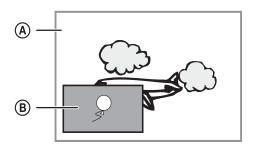
Play BD-video

Blu-ray video disc has a larger capacity and supports features such as high-definition videos, multichannel surround sounds, interactive menus and so on.

- 1 Insert a BD-video disc.
- 2 Press **a**, select [Play Disc] then press OK.
- Play automatically starts, or select a play option in the menu and press **OK**.
 - During play, you can press TOP MENU to display additional information, features or content stored in the disc.
 - During play, you can press POP-UP MENU to display the disc menu without interrupting disc play.

Enjoy BONUSVIEW

(Applicable only to a disc compatible with the BONUSVIEW or Picture-in-Picture feature) You can instantly view additional content (such as commentaries) in a small screen window.



- (A) Primary video
- B Secondary video
- Press BONUSVIEW to turn on the secondary video window.
- 2 Press © OPTIONS.
 - → The play options menu is displayed.

- 3 Select [2nd Audio Language] or [2nd Subtitle Language] in the menu, then press ▶.
- 4 Select the language to play, then press **OK**.

Enjoy BD-LIVE

(Applicable only to a disc that enables BD-Live bonus content.)

Additional contents (such as movie trailers, subtitles, etc.,) can be downloaded to this product's local storage or a connected USB storage device. Special video data may be played while they are being downloaded.

When the disc supporting BD-Live is played, this product or disc's ID can be sent to the content provider via the internet. Services and functions to be provided vary from discs.

Play DivX® video

DivX video is a digital media format that retains high quality despite a high rate of compression. You can enjoy DivX video on this DivX certified product.

- Insert a disc or USB that contains the DivX videos.
- 2 Press ♠, select [Play Disc] or [USB], then press OK.
 - → A contents menu is displayed.
- 3 Select a video folder, then press **OK**.
- 4 Select a title to play, then press **OK**.
- 5 Use the remote control to control the play.

Button	Action
AUDIO	Select an audio language or channel.
SUBTITLE	Select a subtitle language.
	Stop play.



Note

- You can only play DivX videos that were rented or purchased with the DivX registration code of this product (see "Adjust Settings" > [Advanced Setup] > [DivX® VOD Code]).
- You can play DivX video files of up to 4GB.
- This product can display up to 45 characters in the subtitle.

Play music

Control a track

- 1 Play a track.
- 2 Use the remote control to control the play.

Button	Action
П	Pause play.
>	Start or resume play.
•	Stop play.
 	Skip to a previous/next track.
1.	Select an item to play.
44 / >	Search fast-backward or fast- forward. Press repeatedly to change the search speed.
REPEAT	Select or turn off repeat or shuffle mode.

Play MP3/WMA music

MP3/WMA is a type of highly compressed audio file (files with .mp3, .wma extensions).

- Insert a disc or USB that contains the MP3/ WMA music.
- 2 Press ♠, select [Play Disc] or [USB], then press OK.
 - → A contents menu is displayed.
- 3 Select a music folder, then press **OK**.
- 4 Select a file to play, then press **OK**.
 - To return to the main menu, press **SACK**.



- For disc recorded in multiple sessions, only the first session is played.
- For a WMA file that is protected by Digital Rights Management (DRM), it cannot be played on this product.
- This product does not support MP3PRO audio format.
- For any special character that is present in the MP3 track name (ID3) or album name, it might not be displayed correctly on the screen because these characters are not supported.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

Play photo

Play photo as slideshow

You can play JPEG photos (files with .jpeg or .jpg extensions).

- Insert a disc or USB that contains the JPEG photos.
- 2 Press ♠, select [Play Disc] or [USB], then press OK.
 - → A contents menu is displayed.
- 3 Select a photo folder, then press **OK** to enter.
 - To select a photo, press the Navigation buttons.
 - To enlarge the selected photo and start slideshow, press **OK**.
- 4 Press **OK** to start slideshow play.



Note

- It may require longer time to display the disc content on the TV due to the large number of songs/photos compiled onto one disc.
- This product can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, or pictures in formats other than JPEG, or sound clips associated with pictures.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

Control photo play

- 1 Play a photo slideshow.
- 2 Use the remote control to control the play.

Button	Action
◄/▶	Rotate a photo anti- clockwise/clockwise.
▲/▼	Flip a photo horizontally/ vertically.
	Stop play.



Note

Some operations may not work with some discs or files.

Set slideshow interval and animation

- 1 During play, press © OPTIONS.
 - → The play options menu is displayed.
- Select [Duration per slide] in the menu, then press OK.

- 3 Select a duration, then press **OK**.
- 4 Select [Slide Animation] in the menu, then press OK.
- 5 Select a type of animation effect, then press OK.

Play musical slideshow

Create a musical slideshow to play simultaneously MP3/WMA music files and JPEG photo files.

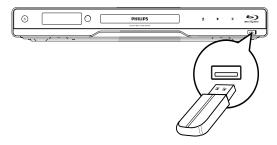


- To create a musical slideshow, you must store the MP3/ WMA and JPEG files on the same disc or USB device.
- 1 Play MP3/WMA music.
- 2 Press SACK to return to the main menu.
- 3 Navigate to enter a photo folder, then press OK to start slideshow play.
 - → Slideshow begins and continues till the end of the photo folder:
 - → Audio continues to play until the end of the disc.
 - To stop the slideshow play, press ■.
 - To stop the music play, press again.

Play from USB device

Play or view MP3, WMA/WMV, DivX (Ultra) or JPEG files on the following USB devices:

- flash drive
- memory card reader
- HDD (external power source needed)



- 1 Connect a USB device to the •<* (USB) jack.
- 2 Press **a**, select [USB], then press OK.
 - → A contents menu is displayed.
- 3 Select a file to play, then press **OK**.
 - Play starts (see "Play music", "Play photo", "Play video" for details).
 - To stop play, press or remove the USB device.



- If the device does not fit into the USB jack, connect it through a USB extension cable.
- NTFS (New Technology File System) data format is not supported
- Philips does not guarantee 100% compatibility with all USB devices.

6 Adjust settings



 If the setup option is grayed out, it means the setting cannot be changed at the current state.

Video setup

- 1 Press **a**.
- 2 Select [Settings], then press OK.
- 3 Select [Video Setup], then press ▶.

Video Setup	Audio	English
	Subtitle	• Off
Audio Setup	Disc Menu	English
Preference Setup	TV Display	16:9 Widescreen
	HDMI Video	Auto
EasyLink Setup Advanced Setup	HDMI Deep Color	Auto
	Component Video	• 480i/576i
	Picture Settings	Standard

- 4 Select an option, then press **OK**.
- 5 Select a setting, then press **OK**.
 - To return to the previous menu, press
 → BACK.
 - To exit the menu, press **a**.

[Audio]

Select an audio language for disc play.

[Subtitle]

Select a subtitle language for disc play.

[Disc Menu]

Select a language for disc menu.



- If the language you have set is not available on the disc, the disc uses its own default language.
- For some discs, the subtitle/audio language can only be changed from the disc menu.

[TV Display]

Select a display format:





4:3 Letter Box (LB)

B) 4:3 Pan Scan (PS)







16:9 (Wide Screen)

16:9

Cinema 21:9

- [4:3 Letterbox] For 4:3 screen TV: widescreen display with black bars on the top and bottom of the screen.
- [4:3 Panscan] For 4:3 screen TV: full-height display with the trimmed sides.
- [16:9 Widescreen] For wide-screen TV: display ratio 16:9.
- [16:9] For 16:9 screen TV: display picture at ratio 4:3 for a disc with 4:3 ratio, with black bars on the left and right side of the screen.
- [Cinema 21:9] For wide-screen TV of display ratio 21:9, remove black bars at the bottom and top of the screen.



Note

- If [4:3 Panscan] you have selected is not supported by the disc, the screen displays in the [4:3 Letterbox] format.
- Help text display is available in all modes, except [Cinema 21:91.
- Subtitle Shift function is enabled only in [Cinema 21:9] mode.
- For optimum viewing with Philips Cinema 21:9 TV, refer to the TV's user manual.

[HDMI Video]

Select a HDMI video output resolution that is compatible with your TV display capability.

- [Auto] Detect and select the best supported video resolution automatically.
- [Native] Set to original video resolution.
- [480i/576i], [480p/576p], [720p], [1080i], [1080p], [1080p/24Hz] - Select a video resolution setting that is best supported by the TV. See the TV manual for details.



Note

 If the setting is not compatible with your TV, a blank screen appears. Wait for 10 seconds for auto recovery, or press repeatedly the HDMI button until the picture appears.

[HDMI Deep Color]

This feature is available only when the display device is connected by an HDMI cable, and when it supports deep color feature.

- [Auto] Enjoy vivid images in over a billion colors on Deep Color enabled TV.
- [Off] Output standard 8 bit color.

[Component Video]

Select a component video output resolution that is compatible with the TV display capability.

[480i/576i], [480p/576p], [720p], [1080i] Select a video resolution setting that is best
supported by the TV. See the TV manual for
details.



Note

- If the setting is not compatible with the TV, a blank screen appears. Wait for 10 seconds for auto recovery.
- Copy protected DVDs can only output 480p/576p or 480i/576i resolution.

[Picture Settings]

Select a predefined set of picture color settings.

- [Standard] Original color setting.
- [Vivid] Vibrant color setting.
- [Cool] Soft color setting.
- [Action] Sharp color setting. It enhances the details in the dark area. Ideal for action movies.
- [Animation] Contrast color setting. Ideal for animated pictures.

[Black Level]

Improve black color contrast.

- [Normal] Standard black level.
- **[Enhanced]** Enhance black level.

Audio Setup

- 1 Press **a**.
- 2 Select [Settings], then press OK.
- 3 Select [Audio Setup], then press ▶.

Video Setup	Night Mode	• Off
	HDMI Audio	• Auto
Audio Setup	Digital Audio	• Auto
Preference Setup	PCM Downsampling	• On
	Speaker Setup	•
EasyLink Setup		
Advanced Setup		

- 4 Select an option, then press **OK**.
- 5 Select a setting, then press **OK**.
 - To return to the previous menu, press
 BACK.
 - To exit the menu, press \triangle .

[Night Mode]

Make a loud sound level softer and a soft sound level louder to play the disc at a low volume, without disturbing other persons.

- [Auto] Applicable to tracks with Dolby True HD audio.
- **[On]** For quiet viewing at night.
- [Off] For surround sound with a full dynamic range.



Applicable only to Dolby encoded DVD-video or BD-video.

[HDMI Audio]

Select an HDMI audio output when you connect this product and the TV/audio device with an HDMI cable.

- [Bitstream] Select the best original HD audio experience (only via an HD audio compatible receiver).
- [Auto] Detect and select the best supported audio format automatically.

[Digital Audio]

Select an audio format for the sound output from the DIGITAL OUT jack (coaxial/optical).

- [Auto] Detect and select the best supported audio format automatically.
- [PCM] The audio device does not support multi-channel format. Audio is downmixed to two-channel sound.
- [Bitstream] Select the original audio to experience Dolby or DTS audio (BD-video special sound effect is disabled).



- Ensure that the audio format is supported by the disc and the connected audio device (amplifier/receiver).
- When [Bitstream] is selected, interactive audio like button sound is muted.

[PCM Downsampling]

Set the sampling rate for PCM audio output from the DIGITAL OUT jack (coaxial/optical).

- [On] PCM audio is down-sampled at 48kHz.
- [Off] For BD or DVD recorded in LPCM without copyright protection, two-channel audio signals up to 96 kHz are output as LPCM signals with no conversion.

[Speaker Setup]

Optimize the surround output for the connected speaker system.

[Speaker Setup]

Activate the test tone for the speakers and the subwoofer.

[Speaker Distance]

Set the delay time for the speakers and the subwoofer if they are placed closer to the listening position, so that the sound output from all speakers reach the listening position at the same time.

• [Speaker Volume]

Set the volume level of the speakes and the subwoofer to get the ideal audio balance.

[Speaker Size]

- Set the speaker size for the speakers and the subwoofer.
- Select [Large] size for speakers that can produce low frequency signal below 120 Hz.
- Select [No Speaker] if there is no speaker connected.
- If the front speakers are set to [Small], subwoofer setting is [On] and it cannot be changed.
- If the subwoofer is set to [Off], the front speakers settings are [Large] and it cannot be changed.



- The test tone is emitted from the speaker while adjusting the volume level.
- Allow 1ms setting for every 30cm distance between the speaker and the listening position.

Preference Setup

- Press 📤.
- 2 Select [Settings], then press OK.
- Select [Preference Setup], then press▶.

Video Setup	Menu Language	English
	Parental Control	• Off
Audio Setup	Screen Saver	• Off
Preference Setup	Change Password	•
	Display Panel	Normal
EasyLink Setup	Auto Standby	• On
	VCD PBC	• On
Advanced Setup		

- 4 Select an option, then press **OK**.
- Select a setting, then press **OK**.
 - To return to the previous menu, press → BACK.
 - To exit the menu, press **a**.

[Menu Language]

Select an on-screen menu language.



If this product is connected to an HDMI CEC compliant TV using a HDMI cable, it switches automatically to the same menu display language as per your TV setting (if the language set on TV is supported by this product).

[Parental Control]

Restrict access to discs that are unsuitable for children. These types of discs must be recorded with ratings.

To access, enter your last set password or '0000'.



- Rated discs above the level you set in [Parental Control] require a password to be played.
- The ratings are country-dependent. To allow all discs to play, select '8' for DVD-video and BD-Video.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs

[Screen Saver]

Turn on or off the screen saver mode. It helps to protect the TV screen from being damaged due to over exposure to static image for being too long.

- [On] Set the screen saver active after 10 minutes of inactivity (for example, in the pause or stop mode)
- [Off] Disable screen saver mode.

[Change Password]

Set or change the password.

- 1) Press the Numeric buttons to enter the password or your last set password. If you forget the password, enter '0000', then press OK.
- 2) Enter the new password.
- 3) Enter the same password again.
- 4) Move to **[Confirm]** in the menu and press **OK**.

[Display Panel]

Select a brightness level of the front panel display.

- [Normal] Normal brightness.
- [Dim] To dim display.

[Auto Standby]

Turn on or off auto standby mode. It is an energy saving feature.

- [On] Switch to standby after 30 minutes of inactivity (for example, in pause or stop mode).
- [Off] Disable auto standby mode.

[VCD PBC]

Turn on or off the content menu of VCDs/SVCDs with PBC (playback control) feature.

- [On] Display the index menu when you load a disc for play.
- [Off] Skip the menu and start play from the first title.

EasyLink Setup

- Press **a**.
- 2 Select [Settings], then press OK.
- Select [EasyLink Setup], then press▶.

Video Setup	EasyLink	• On
	One Touch Play	• On
Audio Setup	One Touch Standby	• On
Preference Setup		
EasyLink Setup		
Advanced Setup		

Select an option, then press **OK**.

- 5 Select a setting, then press **OK**.
 - To return to the previous menu, press
 → BACK.
 - To exit the menu, press 📤.

[EasyLink]

This product supports Philips Easylink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control all EasyLink-compliant devices that are connected through HDMI connectors.

- [On] Turn on EasyLink features.
- [Off] Disable EasyLink features.

[One Touch Play]

When you press the **STANDBY** button to turn on this product, the TV (if the TV supports one-touch play) automatically turns on and switches to the video-in channel. Disc play starts if there is a disc in this product.

- [On] Turn on one-touch play feature.
- [Off] Disable one-touch play feature.

[One Touch Standby]

When you press and hold the **STANDBY** button, all the connected HDMI CEC devices (if the device supports one-touch standby) switch to standby mode simultaneously.

- [On] Turn on one-touch standby feature.
- [Off] Disable one-touch standby feature.



- You must turn on the HDMI CEC operations on the TV/ devices before you can enjoy the EasyLink controls. See the TV/devices manual for details.
- Philips does not guarantee 100% interoperability with all HDMI CEC compliant devices.

Advanced Setup

- 1 Press **a**.
- 2 Select [Settings], then press OK.
- 3 Select [Advanced Setup], then press ▶.

Video Setup	BD Live Security	• Off
Video octup	Network	•
Audio Setup	Software Download	•
Preference Setup	Clear Memory	•
	DivX® VOD Code	•
EasyLink Setup	Version Info.	•
	Restore Default Settings	•
Advanced Setup		

- 4 Select an option, then press **OK**.
- **5** Select a setting, then press **OK**.
 - To return to the previous menu, press
 → BACK.
 - To exit the menu, press a.

[BD-Live Security]

You can restrict internet access for BD-Live bonus contents which are available to certain Blu-ray discs.

- [On] Internet access is prohibited for all BD-Live contents.
- [Off]- Internet access is permitted for all BD-Live contents.

[Network]

Set up a connection to internet to download updated software and access BD-Live bonus contents. It guides you through a step-by-step network installation procedure.



 For detailed network setup, see "Get started" > "Set up network"

[Software Download]

Update the software of this product (if a latest version is available on Philips website) to enhance the playability of this product.

- **[USB]** Download software from the USB device which is connected to this product.
- [Network] Download software from network.



 For detailed software updating, see "Additional information" > "Update software".

[Clear Memory]



Note

When you clear the local storage, previous download of BD-Live bonus contents is no longer available.

If the internal memory of this product is not enough to download BD-Live bonus contents for a BD disc, reformat the local storage to clear all the contents.



- You can use a USB device as an external storage to store the downloaded files.
- Local storage is a folder (BUDA) located on the connected USB device.

[DivX® VOD Code]

Display the DivX® registration code.



 Use this product's DivX registration code when you rent or purchase video from www.divx.com/vod. The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

[Version Info.]

Display the software version and the MAC address of this product.



 This information is needed for you to check if a latest software version is available at the Philips website so that you can download and install on this product.

[Restore Default Settings]

Reset all the settings of this product to the factory settings, except for [Parental Control] setting.

7 Additional Information

Update software

For software updates to enchance performance, check the current software version of this product to compare with the latest software (if available) at the Philips website.

- 1 Press **a**.
- 2 Select [Settings], then press OK.
- 3 Select [Advanced Setup] > [Version Info.], then press OK.

Update software via network

- 1 Set up the network connection (see "Get started" > "Set up network").
- In the Home menu, select [Settings] > [Advanced Setup] > [Software Download] > [Network].
 - You are prompted to start upgrading processs if upgrade media is detected.
- Follow the instructions on the TV screen to confirm update operation.
 - Once software update is complete, this product automatically turns off to standby.
- 4 Disconnect the power cord for a few seconds and connect again to turn on this product.

Update software via USB

- 1 Go to www.philips.com/support to check if the latest software version is available for this product.
- 2 Download the software onto a USB flash drive.
 - 1 Un-zip the download, and make sure that the un-zipped folder is named "UPG".
 - 2 Put the "UPG" folder in the root directory.
- 3 Insert a USB flash drive to the [←] (USB) jack on this product.
- 4 In the Home menu, select [Settings] > [Advanced Setup] > [Software Download] > [USB].
- 5 Follow the instructions on the TV screen to confirm update operation.
 - Once software update is complete, this product automatically turns off to standby.
- 6 Disconnect the power cord for a few seconds and connect again to turn on this product.



Note

 Do not turn off the power or remove the USB flash drive when software updating is in progress to prevent possible damage of this product.

Care



Caution

 Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

Clean discs

Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.

Specifications



Note

Specification and design are subject to change without notice

Play media

BD-Video, DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL, CD-R/CD-RW, Audio CD, Video CD/SVCD, Picture CD, MP3-CD, WMA-CD, DivX (Ultra)-CD, USB flash drive.

Accessories supplied

- Remote control and batteries
- Audio/Video cables
- Power cable
- HDMI category 2 cable
- Quick start guide
- User manual

Video

- Signal system: PAL / NTSC
- Composite video output: 1 Vp-p (75 ohm)
- Component video output: 480/576i, 480/576p, 720p, 1080i
 - Y: 1 Vp-p (75 ohm)
 - Pb: 0.7 V-pp (75 ohm)
 - Pr: 0.7 V-pp (75 ohm)
- HDMI output 480p, 576p, 720p, 1080i, 1080p, 1080p24

Audio

- 2 Channel analog output
 - Audio Front L + R: 2 Vrms (> 1 kohm)
- 7.1 Channel analog output
 - Audio Front L + R: 2 Vrms (> 1 kohm)
 - Audio Surrond L + R: 2 Vrms (> 1 kohm)
 - Audio Center: 2 Vrms (> 1 kohm)
 - Audio Subwoofer: 1.15 Vrms (> 1 kohm)
 - Audio Rear L + R: 2 Vrms (> 1 kohm)
- Digital output: 0.5 Vp-p (75 ohm)
 - Optical, Coaxial
- HDMI output
- Sampling frequency:
 - MP3: 32 kHz, 44.1 kHz, 48 kHz
 - WMA: 44.1 kHz, 48 kHz
- Constant bit rate:
 - MP3: 112 kbps 320 kpbs
 - WMA: 48 kpbs 192 kpbs

USB

- Compatibility: Hi-Speed USB (2.0)
- Class support: UMS (USB Mass Storage Class)

Main unit

- Power supply rating
 - Europe: 220~240V ~AC, ~50 Hz
 - Russia: 220~230V ~AC, ~50 Hz
 - Asia Pacific: 110~240V ~AC, 50~60 Hz
 - Latin America: 110~240V ~AC, 50~60 Hz
 - China: 110~240V ~AC, ~50 Hz

- Power consumption: 22 W
- Power consumption in standby mode: 0.25 W
- Dimensions (w x h x d): 435 x 55.7 x 245 (mm)
- Net Weight: 2.4 kg

Laser Specification

- Laser Type:
 - BD Laser Diode: InGaN/AIGaN
 - DVD Laser Diode: InGaAIP
 - CD Laser Diode: A IGaAs
- Wave length:
 - BD: 405 +5nm/-5nm
 - DVD: 650 +13nm/-10nm
 - CD: 790 +15nm/-15nm
- Output power:
 - BD: Max. ratings: 20mW
 - DVD: Max. ratings: 7mW
 - CD: Max. ratings: 7mW

8 Troubleshooting



Warning

 Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.

If you have problems using this product, check the following points before you request service. If you still have a problem, register your product and get support at www.philips.com/welcome.

If you contact Philips, you will be asked for the model and serial number of your product. The model number and serial number are on the back of your product. Write the numbers here:

Model No	
Serial No	

Main unit

No reaction to the remote control.

- Connect this product to the power outlet.
- Point the remote control at the IR sensor located on the front panel of this product.
- Insert the batteries correctly.
- Insert new batteries in the remote control.

Picture

No picture.

 See TV manual for correct video input channel selection. Change the TV channel until you see the Philips screen.

No picture on HDMI connection.

- If this product is connected to an unauthorized display device with an HDMI cable, the audio/ video signal may not be output.
- Check if the HDMI cable is faulty. Replace a new HDMI cable.
- If this happens when you change the [HDMI Video] setting, press HDMI on the remote control repeatedly until picture appears.

No high-definition video signal on the TV.

- Make sure that the disc contains highdefinition video.
- Make sure that the TV supports highdefinition video.

Sound

No audio output from the TV.

- Ensure that the audio cables are connected to the audio input of the TV.
- Assign the audio input of the TV to the corresponding video input. See the TV user manual for details.

No audio output from the loudspeakers of the audio device (home theater /amplifier/receiver).

- Ensure that the audio cables are connected to the audio input of the audio device.
- Turn on the audio device to its correct audio input source.

No 7.1 - channel audio from the loudspeaker of the audio system.

- Ensure that the disc contains 7.1 channel audio.
- Ensure that the audio device supports 7.1 channel audio.
- Ensure that the audio format is supported by the disc and the connected audio device (amplifier/receiver).

No sound on HDMI connection.

You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DVI-compatible.

No secondary audio output for Picture-in-Picture feature.

When [Bitstream] under the [HDMI Audio] or [Digital Audio] menu is selected, interactive sound like secondary sound for Picture-in-Picture feature is muted. Deselect [Bitstream].

Play

Disc cannot be played.

- Ensure that the disc is correctly loaded.
- Ensure that this product supports the disc. See 'Specifications'.
- Ensure that this product supports the region code of the DVD or BD.
- For DVD±RW or DVD±R, ensure that the disc is finalized.
- Clean the disc.

Data files (JPEG, MP3, WMA) cannot be played or read.

- Ensure that the data file was recorded in the UDF, ISO9660 or |OLIET format.
- Ensure that the selected group (folder) does not contain more than 9,999 files for DVD, and 999 files for CD.
- Ensure that the JPEG file extension is.jpg, .JPG, .ipeg or .IPEG.
- Ensure that the MP3/WMA file extension is .mp3 or .MP3, and .wma or .WMA for windows Media™ Audio.

DivX video files cannot be played.

- Ensure that the DivX video file is complete.
- Ensure that the file name extension is correct.

The contents of the USB flash drive cannot be read.

- The USB flash drive format is not compatible with this product.
- Drive is formatted with different file system which is not supported by this product (e.g.
- Maximum size of memory supported is 160GB.

'No entry' sign appears on the TV.

The operation is not possible.

EasyLink feature does not work.

Ensure that this product is connected to the Philips brand EasyLink TV and the [EasyLink] in the menu is set to [On].

Unable to access BD-Live feature.

- Check the network connection or ensure that the network has been set up.
- Clear local storage, internal memory (if any) or USB.
- Ensure that the BD disc supports BD Live feature.

9 Glossary

A

Aspect ratio

Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

AVCHD

AVCHD is a new format (standard) for high definition video cameras that can be used to record and play high-resolution HD images.

В

Blu-ray Disc (BD)

Blu-ray Disc is a next generation optical video disc capable of storing five times more data than a conventional DVD. The large capacity makes it possible to benefit from the features such as high-definition videos, multichannel surround sound, interactive menus and so on.

BONUSVIEW

This is a BD-Video (Final Standard Profile or Profile 1.1) that supports interactive content encoded on the disc, such as picture-in-picture. This means you can play the primary video and secondary video simultaneously.



Digital Audio

Digital Audio is a sound signal that has been converted into numerical values. Digital sound can be transmitted through multiple channels. Analogue sound can only be transmitted through two channels.

DivX Video-On-Demand

This DivX Certified ® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX video.

Dolby Digital

A surround sound system developed by Dolby Laboratories that contains up to six channels of digital audio (front left and right, surround left and right, center and subwoofer.)

DTS

Digital Theatre Systems. A surround sound system for providing 5.1 channels of discrete digital audio in consumer electronics products and software content. It is not developed by Dolby Digital.

Н

HDCP

High-bandwidth Digital Content Protection. This is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorized copyright.)

HDMI

High-Definition Multimedia Interface (HDMI) is a high-speed digital interface that can transmit uncompressed high definition video and digital multichannel audio. It delivers high quality picture and sound quality, completely free from noise. HDMI is fully backward-compatible with DVI. As required by the HDMI standard, connecting to HDMI or DVI products without HDCP (High-bandwidth Digital Content Protection) will result in no Video or Audio output.

J

IPEG

A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognized by their file extension '.jpg' or '.jpeg.'

L

LAN (Local Area Network)

A group of linked devices in a company, school or home. Indicates the boundaries of a particular network.

Local storage

This storage area is used as destination for storing additional contents from BD-Live enabled BD-Video.

M

MP3

A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

P

PBC

Playback Control. A system where you navigate through a Video CD/Super VCD with on-screen menus that are recorded onto the disc. You can enjoy interactive playback and search.

PCM

Pulse Code Modulation. A digital audio encoding system.

R

Region code

A system that allows discs to be played only in the region designated. This unit only plays discs that have compatible region codes. You can find the region code of your unit on the product label. Some discs are compatible with more than one region (or ALL regions.)



WMA

Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded with Windows Media player version 9 or Windows Media player for Windows XP. Files are recognized by their file extension '.wma.'

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See http://www.zlib.net/, and in particular http://www.zlib.net/zlib_license.html.

/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.3, July 18th, 2005

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